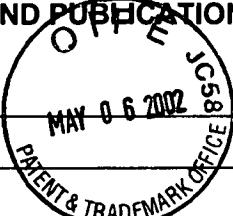


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	Examiner Unknown	December 17, 2001	Unknown

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/F.S./	A2	4,917,556	04/17/90	Stark et al.	414	217	05/26/89
/F.S./	A3	4,951,601	08/28/90	Maydan, et al.	118	719	06/23/89
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/F.S./	A5	5,028,565	07/02/1991	Chang, et al.	437	192	08/25/1989
/F.S./	A6	5,173,474	12/22/1992	Connell, et al.	505	1	03/11/1991
/F.S./	A7	5,186,718	02/16/93	Tepman et al.	29	25.01	04/15/91
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/F.S./	A12	5,580,380	12/03/1996	Liu, et al.	117	86	01/30/1995
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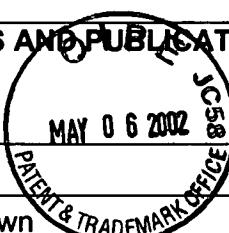
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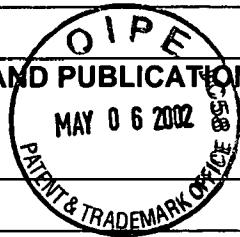
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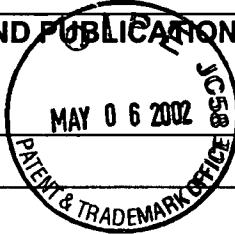
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(Use several sheets if necessary)				Filing Date December 17, 2001	Group Unknown
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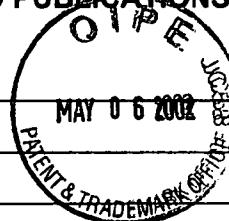

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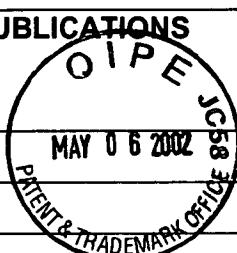
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	Examiner Unknown				

**Foreign Patent Documents**

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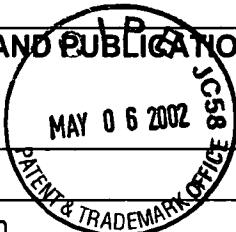
Foreign Patent Documents

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	Examiner Unknown		
OTHER ART			
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
/F.S./	C1	Ohba, et al., "Thermal Decomposition of Methylhydrazine and Deposition Properties of CVD TiN Thin Films", Conference Proceedings, Advanced Metallization for ULSI Applications in 1993 (1994), pp. 143-149	
/F.S./	C2	Schepers, et al., "Low-temperature deposition of titanium nitride films from dialkylhydrazine-based precursors", Materials Science in Semiconductor Processing 2 (1999), pp. 149-157	
/F.S./	C3	Suzuki, et al., "A 0.2-μm contact filing by 450°C-hydrazine-reduced TiN film with low resistivity", IEDM 92-979, pp. 11.8.1 – 11.8.3	
/F.S./	C4	Suzuki, et al., "LPCVD-TiN Using Hydrazine and TiCl ₄ ", VMIC Conference (June 8-9, 1993), pp. 418-423	
/F.S./	C5	IBM Tech. Disc. Bull. "Knowledge-Based Dynamic Scheduler in Distributed Computer Control, (June 1990), pp. 80-84	
/F.S./	C6	IBM Tech. Disc. Bull. "Multiprocessor and Multitasking Architecture for Tool Control of the Advanced via Inspection Tools" (May 1992), pp. 190-191	
/F.S./	C7	McGeachin, S., "Synthesis and properties of some β-diketimines derived from acetylacetone, and their metal complexes", Canadian J. of Chemistry, Vol. 46 (1968), pp.1903-1912	
/F.S./	C8	Solanki, et al., "Atomic Layer deposition of Copper Seed Layers", Electrochemical and Solid State Letters, 3(10) (2000), pp. 479-480	
/F.S./	C9	NERAC.COM Retro Search: Atomic Layer Deposition of Copper, dated October 11, 2001	
/F.S./	C10	NERAC.COM Retro Search: Atomic Layer Deposition / Epitaxy Aluminum Oxide Plasma, dated October 2, 2001	
/F.S./	C11	NERAC Search abstract of "Atomic Layer deposition of Ta and Ti for Interconnect Diffusion Barriers", by Rossnagel, et al., J. Vac. Sci. & Tech., 18(4) (July 2000)	
/F.S./	C12	Abstracts of articles re atomic layer deposition	
/F.S./	C13	Abstracts of search results re atomic layer deposition, search dated January 24, 2002	
/F.S./	C14	Abstracts of articles re atomic layer deposition and atomic layer nucleation	
/F.S./	C15	Abstracts of articles re atomic layer deposition and semiconductors and copper	
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/F.S./	C16	Abstracts of articles – atomic layer deposition
/F.S./	C17	NERAC Search – Atomic Layer Deposition, search dated October 16, 2001
/F.S./	C18	Bader, et al., "Integrated Processing Equipment", Solid State Technology, Cowan Pub., Vol. 33, No. 5 (May 1, 1990), pp. 149-154
/F.S./	C19	Choi, et al., "The effect of annealing on resistivity of low pressure chemical vapor deposited titanium diboride", J. Appl. Phys. 69(11) (June 1, 1991), pp. 7853-7861
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/F.S./	C21	"Cluster Tools for Fabrication of Advanced devices" Jap. J. of Applied Physics, Extended Abstracts, 22 nd Conference Solid State Devices and Materials (1990), pp. 849 – 852
/F.S./	C22	"Applications of Integrated processing", Solid State Technology, US, Cowan Pub., Vol 37, No. 12 (December 1, 1994), pp. 45-47
/F.S./	C23	Kitigawa, et al., "Hydrogen-mediated low temperature epitaxy of Si in plasma-enhanced chemical vapor deposition", Applied Surface Science (2000), pp. 30-34
/F.S./	C24	Lee, et al., "Pulsed nucleation for ultra-high aspect ratio tungsten plugfill", Novellus Systems, Inc. (2001), pp. 1-2 (COPY NOT AVAILABLE TO APPLICANT AT THIS TIME)

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